

## "APPENDIX A"

1. Balkanski, M., Julien, C., Emery, J.Y., "Integrable Lithium Solid-State Microbatteries," Journal of Power Sources, 26, p. 615 (1989).
- \*2. Bates, J.B., et al., "Thin Film Li-LiMn<sub>2</sub>O<sub>4</sub> Batteries," 1995 IEEE, pp. 319-322.
3. Bates, J.B., Gruzalski, G.R., Dudney, N.J., Luck, C.F., Yu, X.-H., Jones, S.D., "Rechargeable Thin-Film Lithium Microbatteries," Solid State Technology, p. 59 (1989).
4. Bennett, M.V.L., "Electric Organ," McGraw-Hill Encyclopedia of Science and Technology, 7<sup>th</sup> Edition, p. 17 (1992).
5. Blank, M., "Electrochemistry of Nerve Excitation," Modern Aspects of Electrochemistry, White, R., Conway, B.E., Bockris, J.O.M. (editors), 24, p. 1 (1992).
- \*6. Boos, D.L., Adams, H.A., Hacha, T.H., Medtcalf, J.El, "A 3 Cubic Inch 2000,000 Microfarad Capacitor," Proceedings of the 21<sup>st</sup> Electronic Components Conference, p. 338 (1971).
- \*7. Bult, K., Burstein, A., Chang, D., Dong, M., Felding, M., Kruglick, E., Ho, J., Lin, F., Lin, T.H., Kaiser, W.J., Mukai, R., Nelson, P., Newburg, F.L., Pister, K.S., Pottie, G., Sanchez, H., Staffsd, O.M., Tan, K.B., Ward, C.M., Yung, G., Xue, S., Marcy, H., Yao, J., "Wireless Integrated Microsensors," Technical Digest of the 1996 Solid-State Sensor and Actuator Workshop, Hilton Head Island, S.C., p. 205, June (1996).
8. Currie, J.C., Boos, D.L., Gaylor, V.F., Bennett, P.D., "Energy Storage at High Surface Area Carbon Electrodes," Proceedings of the Symposium on the Chemistry and Physics of Composite Media, 85-8, The Electrochemical Society, Pennington, NJ, p. 169 (1985).
9. Department of Defense, "Microelectromechanical Systems: A DOD Dual Use Technology Industrial Assessment," December (1995).
10. Dyer, C.K., "A Novel Thin-Film Electrochemical Device for Energy Conversion," Nature, 343, p. 547 (1990).
- \*11. Huang, H. et al., "All-Solid-State Lithium Microbatteries," Journal of Power Sources, 43-44, (1993), pp. 487-492.

12. Jones, S.D., Akridge, J.R., "Development and Performance of a Rechargeable Thin-Film Solid-State Microbattery," Journal of Power Source, 54, p. 63 (1995).

13. Jones, S.D., Akridge, J.R., Shokoohi, F.K., "Thin Film Rechargeable Li Batteries," Solid State Ionics, 69, p. 357 (1994).

14. Julien, C., Nazri, G.-A., Solid State Batteries: Materials Design and Optimization, Kluwer Academic Publishers, Boston, MA (1994).

\*15. Kanehori, K., Matsumoto, I., Miyauchi, K., Kudo, T., Solid State Ionics, 9/10, p. 1445 (1983).

16. Kuriyama, N., Sakai, T., Miyamura, H., Ishikawa, H., "Solid-State Metal Hydride Batteries Using Tetramethylammonium Hydroxide Pentahydrate," Solid State Ionics, 53-56, p. 688 (1992).

17. Kuriyama, N., Sakai, T., Miyamura, H., Katol, A., Ishikawa, H., "Proton Conduction of Tetramethylammonium Hydroxide Pentahydrate,  $(CH_3)_4NOH \cdot 5H_2O$ , and its Application to Nickel-Metal Hydride Battery," Journal of the Electrochemical Society, 137, p. 355 (1990).

18. LaFollette, R.M., "Design Fundamentals of High Power Density, Pulsed Discharge, Lead Acid Batteries," Ph.D. Dissertation, Department of Chemical Engineering, Brigham Young University, Provo, UT (1988).

19. LaFollette, R.M., "Design and Performance of High Specific Power, Pulsed Discharge, Bipolar Lead Acid Batteries," Proceedings of the Tenth Annual Battery Conference on Applications and Advances, Long Beach, CA, p. 43. January (1995).

20. LaFollette, R.M., Bennion, D.N., "Design Fundamentals of High Power Density, Pulsed Discharge, Lead Acid Batteries I. Experimental," Journal of the Electrochemical Society, 137, p. 3693 (1990).

21. Levasseur, A., Menetrier, M., Dormoy, R., Meunier, G., "Solid State Microbatteries," Materials Science and Engineering, B3, p. 5 (1989).

22. Linden, D., Handbook of Batteries and Fuel Cells, McGraw-Hill, New York, NY (1984).

23. Moore, W.J., "Electrochemistry of Nerves," in Special Topics in Electrochemistry, Elsevier Publishing, New York, NY, p. 128 (1977).

\*24. NASA Tech Briefs, "Electronic Components and Circuits," March 1998, pp. 46-47.

25. Olszewski, M., Morris, D.G., "Assessment of Energy Storage Concepts for Use in Pulsed Space Power Systems," IECEC Proceedings, 22, p. 52 (1987).

26. Oxley, J.E., "A Comparison of Electrolytic and Electrochemical Capacitors for Pulse Power Applications," Technical Report SLCET-TR-88-A118-F, U.S. Army Laboratory Command, Fort Monmouth, NJ (1988).

27. Pemsler, J.P., Gopikanth, M.L., Lam, R.K-F., McInerney, B., Hardy, L., Litchfield, J.K., "Microelectrode Batteries with Very Small Interelectrode Spacing," The Electrochemical Society Extended Abstracts, Seattle, WA, 90-2, No. 133 (1990).

28. Raistrick, I.D., in Electrochemistry of Semiconductors and Electronics: Processes and Devices, McHardy, J., Ludwig, F. (editors), Noyes Publications, Park Ridge, NJ (1992).

29. Rose, M.F., "High Energy Density Capacitors for Space Power Conditioning," IECEC Proceedings, 24-2, p. 1059 (1989).

\*30. Rose, M.F., "Performance Characteristics of Large Surface Area Chemical Capacitors," Proceedings of International Power Sources Symposium, 33, Cherry Hill, N.J., p. 572, June (1988).

31. Scharifker, B.R., "Microelectrode Techniques in Electrochemistry," Modern Aspects of Electrochemistry, White, R., Conway, B.E., and Bockris, J.O.M. (editors), 22, p. 467 (1992).

\*32. Stout, M.G., Rudolph, G.L., Salmon, L.G., Martinez, T.R., "A Multichip Module Implementation of a Neural Network," Proceedings of IEEE Multichip Module Conference, p. 20 (1994).

D:\WPDOCS\1998\LAFOLLET\7310\APPNDXA.717